

CLAIMS:

1. High-pressure metal halide lamp, comprising an arc tube comprising a metal halide containing discharge medium for supporting an electrical discharge, an outer envelope surrounding said arc tube, and a phosphor coating on the inner surface of said outer envelope, said phosphor coating comprising a blue emitting phosphor.
- 5 2. Lamp as claimed in claim 1, wherein the blue emitting phosphor is selected from the group consisting of $(Ba,Ca)_{1.29}Al_{12}O_{19.29}:Eu$, $Sr_5(PO_4)_3Cl:Eu$, $BaMgAl_{10}O_{17}:Eu$, $Si_2Al_6O_{11}:Eu$, $BaAl_8O_{13}:Eu$, $Sr_4Al_{14}O_{25}:Eu$, and $BaMgAl_{10}O_{17}:Eu,Mn$.
- 10 3. Lamp as claimed in claim 1 or 2, wherein the discharge medium comprises one or more metal halides, wherein the metal is chosen from the group consisting of sodium, scandium, thallium, and indium.
- 15 4. Lamp as claimed in claim 3, wherein the discharge medium comprises one or more metal halides, wherein the metal is chosen from sodium and scandium.